

## ERRATA FOR PUBLICATIONS 66, 68, 69, 71, 72, AND 78

### ICRP Publication 66

Page	Item	Correction
x	Glossary: Inhalability and Regional deposition	'De <sub>1</sub> ' should be 'DE <sub>1</sub> '
xi	Glossary: Aerosol parameters: AMAD	The phrase 'in the aerosol is associated with particles' is missing after '(aerodynamically classified)'. (Compare definition of AMTD.)
25	Table 9, Japan section	'VLC' should be 'VC'
35	Table 10	The assigned fraction for ET <sub>2</sub> should be '0.998' not '1' as given
37	Paragraph 126, line 5	'mode' should be 'model'
41		Replace equation 5, paragraph 143 and equation 6 with the following:
	Equation 5	$DE_j = \eta_j \phi_j \prod_{i=1}^{j-1} (1 - \eta_i)$
	Paragraph 143	Defining $\xi_j$ as the quotient $\sigma_j/\sigma_{j-1}$ , then $\sigma_j$ can be replaced by
		$\prod_{i=1}^j \xi_i$
		Thus, the expression for $DE_j$ becomes:
	Equation 6	$DE_j = \eta_j \left( \prod_{i=1}^j \xi_i \right) \left( \prod_{i=1}^{j-1} (1 - \eta_i) \right)$
43	Paragraph 154, line 1	'on $d_{ae}$ of the airborne particles' should be 'on the $d_{ae}$ of the airborne particles'
	line 3/4	Replace 'The following expression represents particle inhalability:' with 'The following expression represents particle inhalability averaged over 360° orientation to the wind direction:'
	line 5	Replace '(for $D \leq U \leq 10 \text{ m s}^{-1}$ )' with '(for $0 \leq U \leq 10 \text{ m s}^{-1}$ )'
54	Fig. 15 right-hand graph (range 0.1 – 100 μm)	x-axis label should be 'AMAD, μm' not 'AMTD, μm'

## ICRP Supporting Guidance 3

Page	Item	Correction
69	Table 17, caption	Insert 'the' before 'human'
76	Paragraph 269, line 18	Insert 'and' between 'occupational' and 'environmental'
105	Table 24	'BB basal' should be ' $BB_{bas}$ ' 'BB secretory' should be ' $BB_{sec}$ '
105	Table 24	The assigned fraction for $ET_2$ should be '0.998' not '1' as given
105	Table 24	The mass of BB-secretory should be '0.00086' kg (not 0.00087 as given, see Table 5, page 21). Equivalent doses from sources $BB_1$ , $BB_2$ and $BB_{seq}$ should be $1.67 \times 10^{-6}$ , $6.24 \times 10^{-5}$ and $1.06 \times 10^{-6}$ respectively, giving a total of $6.51 \times 10^{-5}$ Sv. The mass of bb should be '0.0019' kg (not 0.002 as given, see Table 5, page 21). Equivalent doses from sources $bb_1$ , $bb_2$ , $bb_{seq}$ , and AI should be $4.68 \times 10^{-6}$ , $2.60 \times 10^{-5}$ , $6.34 \times 10^{-7}$ and $2.85 \times 10^{-6}$ respectively, giving a total of $3.41 \times 10^{-5}$ Sv. The Weighted equivalent doses to BB-secretory and bb are both unchanged at $1.1 \times 10^{-5}$ Sv, but that to the Total lungs should be $4.7 \times 10^{-5}$ Sv.
109	Table 26	Footnote 'a' missing from title
110	Table 28, Footnote b	Change 'Table 16B' to 'Table 8'
114	Table 31	The assigned fraction for $ET_2$ should be '0.998' not '1' as given
144	Paragraph A56, line 7	Delete 'mm' after '2.6 – 1.2'
175	Paragraph B31	'height, (in m)' should be 'height, H (in m)'
179	Table B3, line TLC column 2 (Japan)	'Male: 3.4 m' should be 'Male 3.4 H' 'Female: 2.51 m' should be 'Female: 2.51 H'
182	Second bullet	Insert 'an' between 'by' and 'exponential'
197	Table B16B, footnote d	'Section B.76' should be 'Paragraph B.76'
239 <sup>a</sup>	Paragraph D24	' $\lambda = 0.0712 \mu\text{m}$ ' should be ' $\lambda = 0.0683 \mu\text{m}$ '
239 <sup>a</sup>	Paragraph D25	The value of $\mu$ , the dynamic viscosity of air, should be $1.88 \times 10^{-4}$ Poise not $1.90 \times 10^{-4}$ Poise as given
241	Paragraph D32	Paragraph number repeated. In the first paragraph D32, line 1: 'Eqn. D10' should be 'Eqn. D11'; line 3: Eqns. D7 and D11 should be Eqn. D7

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Page	Item	Correction
243 <sup>a</sup>	Fig. D4	The caption is correct, but the Figure shown is actually Fig. D5
244 <sup>a</sup>	Fig. D5	The caption is correct, but the Figure shown is actually Fig. D4
297	Rudolf et al. (1994)	The word 'airway' should be 'aerosol' 'Ann Occup Hyg' should be 'Ann Occup Hyg <b>38 Suppl. 1</b> 1–14'
297	Schiller-Scotland et al. (1994)	'Ann Occup Hyg' should be 'Ann Occup Hyg <b>38 Suppl. 1</b> 117–125'
298	Swift et al. (1994)	'Ann Occup Hyg' should be 'Ann Occup Hyg <b>38 Suppl. 1</b> 1 77–81'
299	Yu and Cohen (1994)	'Ann Occup Hyg' should be 'Ann Occup Hyg <b>38 Suppl. 1</b> 83–89'
335	E97	The first phrase 'Posterior nasal passage, oral passage, pharynx and larynx (ET <sub>2</sub> ).' is a sub-heading and should be in italics. (Compare E96.)
354	Paragraph E159, line 5	'about 0.5 at $d_{ae} = 6 \mu\text{m}$ ' should be 'about 0.25 at $d_{ae} = 6 \mu\text{m}$ '
405	Patrick and Stirling (1994)	' <i>Ann. Occup. Hyg.</i> ' should be ' <i>Ann. Occup. Hyg.</i> <b>38 Suppl. 1</b> , 225-234'.
407	Roth et al. (1994)	' <i>Ann. Occup. Hyg.</i> ' should be ' <i>Ann. Occup. Hyg.</i> <b>38 Suppl. 1</b> , 101-106'.
408	Scheuch and Stalhofen (1994)	' <i>Ann. Occup. Hyg.</i> ' should be ' <i>Ann. Occup. Hyg.</i> <b>38 Suppl. 1</b> , 159-166'.
410	Stahlhofen et al. (1994)	' <b>189</b> ' should be ' <b>38 Suppl. 1</b> , 189-196'.
410	Stather et al. (1976)	'C-DTPA' should be 'Ca-DTPA'.
412	Vastag et al. (1985)	'(Suppl. 139)' should be '66 (Suppl. 139)'
416-432	Tables F1 to F6 column 1	Insert subheading 'AMAD ( $\mu\text{m}$ )' between rows '0.2' and '0.5'
418-432	Tables F3 to F6	Row '1 $\mu\text{m}$ ' should be bold font. Row '5 $\mu\text{m}$ ' should be normal font.

<sup>a</sup>Given in the errata for ICRP Publication 66 published in ICRP Publication 71

ICRP Supporting Guidance 3

ICRP Publication 68

Page	Item	Correction
77	Table D.1 heading	'Class SR-D' should be 'Class SR-0'

ICRP Publication 69

Page	Item	Correction
18	Table I.-1	$f_1$ value for adult should be '0.1' (not 0.2)

ICRP Publication 71

Page	Item	Correction
39	Section 5.1, Table 5.1.2(f)	Insert footnote (a) on title: 'These dose coefficients are based on the fraction of inhaled tritium gas absorbed into the blood (0.01%). Irradiation from gas within the lungs might increase lung doses by about a factor of three, and effective doses by about 20%'. A footnote (a) to this effect is given in the corresponding table in <i>ICRP Publication 68</i> (Table C1 of Annex C).
370	Table A.1	The transfer rate from trabecular surface to exchangeable trabecular volume ('Trab. surf. to exch. trab. vol.' in the adult should be changed from '8.000E-04' to '1.160E-01'.
372	Paragraph A17	In the last line, 'ST1' should be 'ST2'.

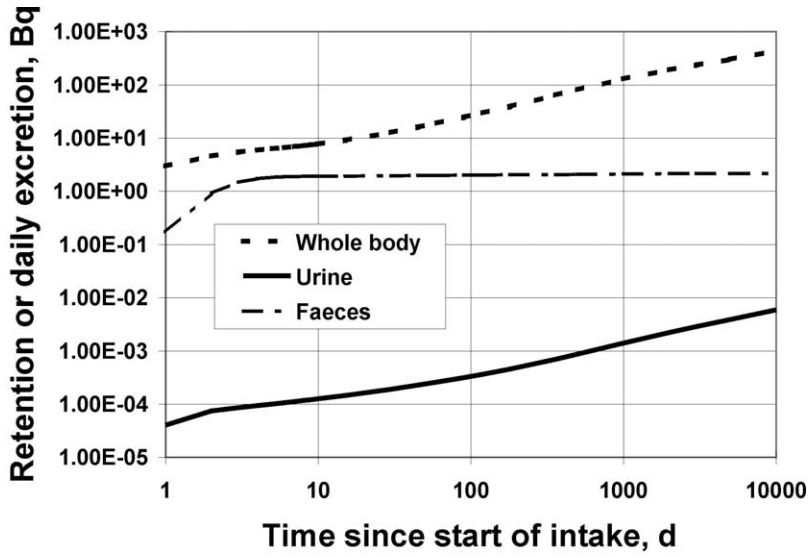
ICRP Publication 72

Page	Item	Correction
6&7	Table 2	Footnotes c and d are wrongly placed. Footnote c ('Also for ingestion dose coefficients') should be attached to the heading of Column 4, not Column 3. (On Page 7, the footnote reference should be 'c' not 'cc', and again it should be attached to the heading of Column 4, not Column 3). Footnote d ('Tritium gas...') is correctly attached to Column 3, Row 'Hydrogen', but it should not be attached to the heading of Column 4. In the heading of Column 4 'ICRP for' should be ICRP Publication for'. (All are corrected here in Table A17).
84	Annex A, Table A.3	Insert footnote (b) on Elemental hydrogen: 'These doses are based on the fraction of inhaled tritium gas absorbed into the blood (0.01%). Irradiation from gas within the lungs might increase effective doses by about 20%'.

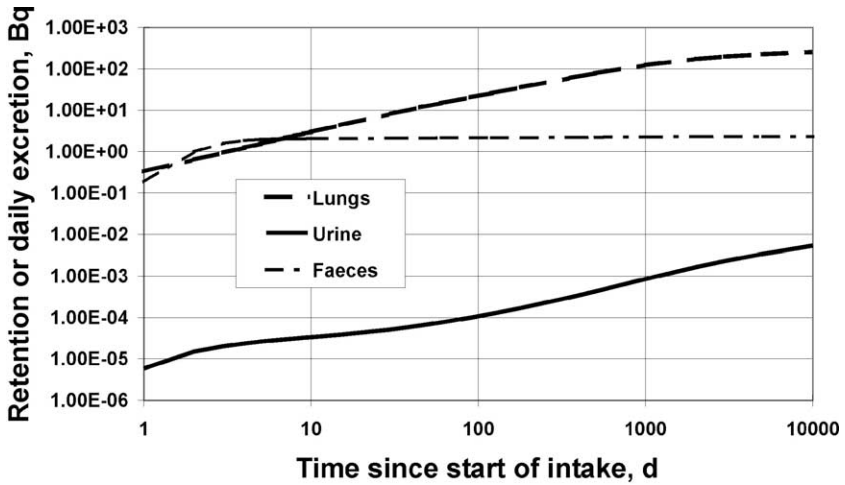
## ICRP Publication 78

Page	Item	Correction
39	Table A1.4	Inhalation dose coefficient for tritium gas should be 1.8E-15 instead of 1.8E-14
40	Table A1.10	Table A1.10 is wrongly placed. It should immediately follow the paragraph ' <i>Hydrogen-3 Chronic intakes</i> ' and come before the heading ' <b>A.2 Iron</b> '
41	Fig. A.1.1.	Fig. A.1.1. is wrongly placed. It should immediately follow Table A1.10.
42	Fig. A.1.2.	Figure A.1.2. is wrongly placed. It should immediately follow Fig. A1.1.
44	Fig. A.2.1.	Figure A.2.1. is wrongly placed. It should immediately follow the paragraph ' <i>A.2. Iron Biokinetic model</i> ' (Page 40).
45	Figs. A.2.2, A.2.3, A.2.4, A.2.5	Figs. A2.2, A.2.3, A.2.4. and A.2.5 are wrongly placed. They should follow on after Table A.2.9 and come before the heading ' <b>A.3. Cobalt</b> '
109	Table A.9.15	In the columns $^{212}\text{Pb}$ -Lungs and $^{208}\text{Tl}$ -Lungs the first value should be without brackets <sup>a</sup> , and the other values should be with brackets <sup>a</sup> .
109	Table A916.	Caption 'Table A916' should be 'Table A.9.16'. In the columns $^{212}\text{Pb}$ -Lungs and $^{208}\text{Tl}$ -Lungs all values should be in brackets <sup>a</sup>
113	Table A.9.26	In the column Type M-Lungs all values should be in brackets <sup>a</sup> . In the column Type M-Whole body the values for monitoring intervals 360d – 60d should be in brackets <sup>a</sup> . In the column Type S-Lungs all values should be in brackets <sup>a</sup> . In the column Type S-Whole body the values for monitoring intervals 360d – 60d should be in brackets <sup>a</sup> .
117	Fig. A.9.11 Caption	Should be ' $^{228}\text{Th}$ Injection: predicted values (Bq per Bq intake) of $^{212}\text{Pb}$ following acute intake of $^{228}\text{Th}$ .'
118	Fig. A.9.15 and A.9.16	The two figures should be exchanged
123	Fig. A.9.29	Replace with figure below <sup>b</sup>
144	Fig. A.12.6	Replace with figure below <sup>c</sup>

<sup>a</sup>Paragraph 91 of *Publication 78* outlined the criterion used to decide whether a particular monitoring interval was suitable for use. In short, an interval was taken to be acceptable if an intake occurring on any day of the interval would not lead to an underestimate in a dose assessment of more than a factor of three compared with an intake occurring at the mid-point of the interval. In the vast majority of cases underestimates result from intakes occurring in the first half of the interval, *i.e.* before the mid-point. Thus attention was focused on this half of the interval during the selection of appropriate intervals for *Publication 78*. Intakes occurring late in the interval would generally be expected to lead to overestimates in dose assessments, and this was noted in Paragraph 91. However, for monitoring regimes based on decay products, underestimates can be caused by intakes occurring late in the monitoring interval since there may have been little ingrowth of the decay product when measurements are made. This was not properly accounted for in the selection of appropriate intervals in cases where monitoring is based on measurements of decay products. The errata above correct this oversight.



<sup>b</sup>Fig. A.9.29.



<sup>c</sup>Fig. A.12.6.